

164.1  
RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/579,933DATE: 09/27/2000  
TIME: 03:16:06

INPUT SET: S35931.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

RECEIVED  
OCT 20 2000  
TECH CENTER 1800/2900

## SEQUENCE LISTING

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: GOEDDEL, DAVID V.  
6 ROTHE, MIKE  
7  
8 (ii) TITLE OF INVENTION: TRAF INHIBITORS  
9  
10 (iii) NUMBER OF SEQUENCES: 8  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: Genentech, Inc.  
14 (B) STREET: 1 DNA Way  
15 (C) CITY: South San Francisco  
16 (D) STATE: California  
17 (E) COUNTRY: USA  
18 (F) ZIP: 94080  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
22 (B) COMPUTER: IBM PC compatible  
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
24 (D) SOFTWARE: WinPatin (Genentech)  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER: 09/579,933  
28 (B) FILING DATE:  
29 (C) CLASSIFICATION:  
30  
31 (vii) PRIOR APPLICATION DATA:  
32 (A) APPLICATION NUMBER: 09/020,467  
33 (B) FILING DATE:  
34  
35 (viii) ATTORNEY/AGENT INFORMATION:  
36 (A) NAME: Dreger, Ginger R.  
37 (B) REGISTRATION NUMBER: 33,055  
38 (C) REFERENCE/DOCKET NUMBER: P0960R1D1  
39  
40 (ix) TELECOMMUNICATION INFORMATION:  
41 (A) TELEPHONE: 650/225-3216  
42 (B) TELEFAX: 650/952-9881  
43 (2) INFORMATION FOR SEQ ID NO:1:  
44  
45 (i) SEQUENCE CHARACTERISTICS:  
46 (A) LENGTH: 413 amino acids

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47 (B) TYPE: Amino Acid  
48 (D) TOPOLOGY: Linear  
49  
50 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
51  
52 Met Asp Lys Asn Ile Gly Glu Gln Leu Asn Arg Ala Tyr Glu Ala  
53 1 5 10 15  
54  
55 Phe Arg Gln Ala Cys Met Asp Arg Asp Ser Ala Val Arg Glu Leu  
56 20 25 30  
57  
58 Gln Gln Lys Thr Glu Asn Tyr Glu Gln Arg Ile Arg Glu Gln Gln  
59 35 40 45  
60  
61 Glu Gln Leu Ser Phe Gln Gln Asn Leu Ile Asp Arg Leu Lys Ser  
62 50 55 60  
63  
64 Gln Leu Leu Leu Val Asp Ser Ser Arg Asp Asn Ser Tyr Gly Tyr  
65 65 70 75  
66  
67 Val Pro Leu Leu Glu Asp Ser Asp Arg Arg Lys Asn Asn Leu Thr  
68 80 85 90  
69  
70 Leu Asp Glu Pro His Asp Lys Val Lys Leu Gly Thr Leu Arg Asp  
71 95 100 105  
72  
73 Lys Gln Ser Lys Val Arg Arg Gln Glu Val Ser Ser Gly Lys Glu  
74 110 115 120  
75  
76 Ser Ala Lys Gly Leu Asn Ile Pro Leu His His Glu Arg Asp Asn  
77 125 130 135  
78  
79 Ile Glu Lys Thr Phe Trp Asp Leu Lys Glu Glu Phe His Arg Ile  
80 140 145 150  
81  
82 Cys Leu Leu Ala Lys Ala Gln Lys Asp His Leu Ser Lys Leu Asn  
83 155 160 165  
84  
85 Ile Pro Asp Ile Ala Thr Asp Thr Gln Cys Ser Val Pro Ile Gln  
86 170 175 180  
87  
88 Cys Thr Asp Lys Thr Glu Lys Gln Glu Ala Leu Phe Lys Pro Gln  
89 185 190 195  
90  
91 Ala Lys Asp Asp Ile Asn Arg Gly Met Ser Cys Val Thr Ala Val  
92 200 205 210  
93  
94 Thr Pro Arg Gly Leu Gly Arg Asp Glu Glu Asp Thr Ser Phe Glu  
95 215 220 225  
96  
97 Ser Leu Ser Lys Phe Asn Val Lys Phe Pro Pro Met Asp Asn Asp  
98 230 235 240  
99

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100	Ser Ile Phe Leu His Ser Thr Pro Glu Ala Pro Ser Ile Leu Ala	
101		245 250 255
102		
103	Pro Ala Thr Pro Glu Thr Val Cys Gln Asp Arg Phe Asn Met Glu	
104		260 265 270
105		
106	Val Arg Asp Asn Pro Gly Asn Phe Val Lys Thr Glu Glu Thr Leu	
107		275 280 285
108		
109	Phe Glu Ile Gln Gly Ile Asp Pro Ile Thr Ser Ala Ile Gln Asn	
110		290 295 300
111		
112	Leu Lys Thr Thr Asp Lys Thr Asn Pro Ser Asn Leu Arg Ala Thr	
113		305 310 315
114		
115	Cys Leu Pro Ala Gly Asp His Asn Val Phe Tyr Val Asn Thr Phe	
116		320 325 330
117		
118	Pro Leu Gln Asp Pro Pro Asp Ala Pro Phe Pro Ser Leu Asp Ser	
119		335 340 345
120		
121	Pro Gly Lys Ala Val Arg Gly Pro Gln Gln Pro Phe Trp Lys Pro	
122		350 355 360
123		
124	Phe Leu Asn Gln Asp Thr Asp Leu Val Val Pro Ser Asp Ser Asp	
125		365 370 375
126		
127	Ser Glu Leu Leu Lys Pro Leu Val Cys Glu Phe Cys Gln Glu Leu	
128		380 385 390
129		
130	Phe Pro Pro Ser Ile Thr Ser Arg Gly Asp Phe Leu Arg His Leu	
131		395 400 405
132		
133	Asn Thr His Phe Asn Gly Glu Thr	
134		410 413
135		

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1955 base pairs
- (B) TYPE: Nucleic Acid
- (C) STRANDEDNESS: Single
- (D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CTGGAACGGA AAGCTACTTC CGGTTGCAGT CATTCTGCCG GGCACCGGCG 50  
ACCTGTGGCG TGAGCGAGCA CAGCCGGAAC CCTCCACTAG CTGGCATTCC 100  
TACCATCCTT TATAGTGATG CTACAGGACA AAGAGGAATG GATAAAAACA 150

RAW SEQUENCE LISTING  
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153	TTGGTGAGCA	ACTCAATAGA	GCATATGAAG	CCTTCCGACA	GGCATGCATG	200
154						
155	GATAGAGATT	CAGCAGTAAG	AGAGCTACAG	CAAAAGCAGA	CTGAGAACTA	250
156						
157	TGAACAAAGA	ATACGCGAGC	AACAGGAACA	GCTGTCATTT	CAACAAAACC	300
158						
159	TAATTGACAG	GCTGAAATCA	CAGCTACTTC	TCGTGGATTG	TAGTCGAGAT	350
160						
161	AACAGTTATG	GCTATGTACC	TTTGCTTGAA	GACAGTGACA	GAAGGAAGAA	400
162						
163	TAATTTGACC	CTTGATGAAC	CACATGATAA	AGTGAAACTA	GGAACACTGA	450
164						
165	GAGATAAGCA	ATCAAAGGTG	AGACGACAAG	AAGTTTCTTC	TGGAAAAGAA	500
166						
167	TCCGCCAAGG	GTCTCAACAT	CCCTCTGCAT	CACGAAAGGG	ATAATATAGA	550
168						
169	GAAGACTTTC	TGGGACCTTA	AAGAAGAATT	TCATAGGATT	TGCTTGCTAG	600
170						
171	CAAAAGCACA	GAAAGATCAC	TTAAGCAAAC	TTAATATACC	AGATATTGCA	650
172						
173	ACTGACACAC	AGTGTTCTGT	GCCTATACAG	TGTACTGATA	AAACAGAGAA	700
174						
175	ACAAGAAGCG	CTGTTTAAGC	CCCAGGCTAA	AGATGATATA	AATAGAGGTA	750
176						
177	TGTCGTGCGT	CACAGCTGTC	ACACCAAGAG	GACTGGGCCG	GGATGAGGAA	800
178						
179	GATACCTCTT	TTGAATCACT	TTCTAAATTC	AATGTCAAGT	TTCCGCCTAT	850
180						
181	GGACAATGAC	TCTATTTTTT	TACATAGCAC	TCCAGAGGCC	CCGAGCATCC	900
182						
183	TTGCTCCTGC	CACACCTGAG	ACAGTGTGCC	AGGACCGATT	TAATATGGAA	950
184						
185	GTCAGAGACA	ACCCAGGAAA	CTTTGTAAAA	ACAGAAGAAA	CTTTATTTGA	1000
186						
187	AATTCAGGGA	ATTGACCCCA	TAACCTCAGC	TATACAAAAC	CTTAAAACAA	1050
188						
189	CTGACAAAAC	AAACCCCTCA	AATCTTAGAG	CGACGTGTTT	GCCAGCTGGA	1100
190						
191	GACCACAATG	TGTTCTATGT	AAATACGTTC	CCACTTCAAG	ACCCGCCTGA	1150
192						
193	CGCACCTTTT	CCCTCACTGG	ATTCCCCAGG	AAAGGCTGTC	CGAGGACCAC	1200
194						
195	AGCAGCCCTT	TTGGAAGCCT	TTTCTTAACC	AAGACACTGA	CTTAGTGGTA	1250
196						
197	CCAAGTGATT	CAGACTCAGA	GCTCCTTAAA	CCTCTAGTGT	GTGAATTCTG	1300
198						
199	TCAAGAGCTT	TTCCCACCAT	CCATTACATC	CAGAGGGGAT	TTCTCCGGC	1350
200						
201	ATCTTAATAC	ACACTTTAAT	GGGGAGACTT	AAATCACGTT	TGAAAACAGA	1400
202						
203	CATATCATGT	TCTCTGTGGT	GGTTTTGGAT	TTGTAACGCT	AGAGAACGCT	1450
204						
205	TTCTCGTGAG	CCAAATGTAA	GATTGATTAT	AAAGTTGTTA	CTTTATCTTT	1500

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206  
207 TAAGAGATCA TTTTGTATAG AACTATAACT CATTATATTA TTCATGTTTA 1550  
208  
209 TACCTATAAT TTCTACATTT CAAAATTACA CATGTGACTT ACAGAGTTAT 1600  
210  
211 TCAGTCATAA TTTATGTTTC AAATAGCTAA GTTTATTGTT TGACTATTGT 1650  
212  
213 GAGATCTATT AAATTTAGTA ATAGCAAATG TTTATAGGAT ATTCAAATTT 1700  
214  
215 CATTTGAATT TTTAATTATT TTTGCTACAG GTAATATTCC TTTAAAATAC 1750  
216  
217 GTATATAACG TACAGAGAAT AACAGACAAT ATGATCTAAG TAAATGTCGA 1800  
218  
219 ATCAATCATT AGTTGCCCAG GGAAATTTAA ACATTATAGA TCATTTTTAA 1850  
220  
221 ATAATACACA TAGTTTTAAT TTTTACTGTG TGTATAGATG CATGATTAAA 1900  
222  
223 TGACTTAAAT ATTAAAAGTG ACTTACGTCG TGCTTATTAA AAAAAAAAAA 1950  
224

225 AAAAA 1955

226

227 (2) INFORMATION FOR SEQ ID NO:3:

228

229 (i) SEQUENCE CHARACTERISTICS:

230 (A) LENGTH: 34 amino acids

231 (B) TYPE: Amino Acid

232 (D) TOPOLOGY: Linear

233

234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

235

236 Met Ser Leu Lys Arg His Ser Leu Arg Arg Asn Ala Cys His Leu

237 1 5 10 15

238

239 Glu Thr Arg Ala Gly Ile Pro Thr Ile Leu Tyr Ser Asp Ala Thr

240 20 25 30

241

242 Gly Gln Arg Gly

243 34

244

245 (2) INFORMATION FOR SEQ ID NO:4:

246

247 (i) SEQUENCE CHARACTERISTICS:

248 (A) LENGTH: 170 base pairs

249 (B) TYPE: Nucleic Acid

250 (C) STRANDEDNESS: Single

251 (D) TOPOLOGY: Linear

252

253 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

254

255

256 CCCACGCGTC CGGTTTGGGC AGCATCTGTA GAGCCTGTGC AAACGGCTTC 50

257

258 CAGAATGGGT ACGTGCCTAT GTCTTTAAAG AGACATAGTC TGCGAAGGAA 100

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/579,933**

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*INPUT SET: S35931.raw*

Line

Error

Original Text

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**SEQUENCE MISSING ITEM REPORT**  
**PATENT APPLICATION US/09/579,933**

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*INPUT SET: S35931.raw*

< < THERE ARE NO ITEMS MISSING > >

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**SEQUENCE CORRECTION REPORT**  
**PATENT APPLICATION US/09/579,933**

DATE: 09/27/2000  
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*INPUT SET: S35931.raw*

Line

Original Text

Corrected Text